

4. Brief Description Of The Figures

Figure 1A-1C. gp96 receptor positive cells. Light microscopy (left panel), or confocal microscopy (right panel) of gp96 bound to membranes of peritoneal cells of C57/BL6 mice. A) Negative control, unlabelled. B) Negative control, labelled with BSA-biotin. C) gp96-biotin labelled.

Figure 2A-B. Time course of gp96-biotin internalization by peritoneal cells of C57/BL6 mice. A) Top left panel, light microscopy of a peritoneal cell, followed by confocal microscopy of a time course of gp96-biotin uptake by the same cell at 37°C, shown after 0, 2, 4, 6, 8, 10, 12, or 14 mins. B) Left panel, light microscopy of a peritoneal cell, followed by a confocal microscopy time course of gp96-biotin uptake by the same cell at 4°C, labelled for 0, and 120 mins.

Figure 3A-C. gp96 receptor positive cells. Light microscopy (left panel), or confocal microscopy (right panel) of gp96 bound to membranes of peritoneal cells of the transgenic mouse ImmortoMouse. A) Negative control, unlabelled. B) Negative control, labelled with BSA-biotin. C) gp96-biotin labelled.

Figure 4. FacScan analysis of Hsp90 (column 1), gp96 (column 2), Hsp70 (column 3), and BSA (column 4) labelled with FITC and pulsed on to Mac-1 positive cells (macrophage) at HSP concentrations of 10 µg/ml (row 1), 20 µg/ml (row 2), 50 µg/ml (row 3), 100 µg/ml (row 4), and 190 µg/ml (row 5). X axis measures FITC absorbance; Y axis measures propidium iodine (PI) absorbance.

Figure 5. HSP Receptor saturation by ¹²⁵I-labelled gp96 in BALB/C Mac-1+ cells and C57BL/6 Mac-1+ (macrophage) cells. ¹²⁵I-labelled BSA is shown as a negative control.

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